Sanitized Copy Approved for Release 2011/09/14 : CIA-RDP80-00809A000600350110-0

CLASSIFICATION SECRET SECRET

CENTRAL INTELLIGENCE AGENCY

INFORMATION FROM
FOREIGN DOCUMENTS OR RADIO BROADCASTS

REPORT

CD NO.

50X1-HUM

COUNTRY	USSR	DATE OF INFORMATION	1950
SUBJECT	Economic; Technological - Road, construction machinery	DATE DIST.	3 Oct 1950
HOW PUBLISHED	Daily newspapers; monthly periodicals		
WHERE PUBLISHED	USSR	NO. OF PAGES	3
DATE PUBLISHED	Jan - Jul 1950	SUPPLEMENT TO REPORT NO.	
LANGUAGE	Russian		

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF ESPIONAGE ACT 50 U. S. C., 31 AND 32, AS AMENDED. ITS TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW. REPRODUCTION OF THIS FORM IS PROHIBITED.

THIS IS UNEVALUATED INFORMATION

SOURCE Newspapers and periodicals as indicated.

CITE BIG GAINS IN SOVIET ROAD MACHINERY; NEW MODELS COMING OUT

BULLDOZERS, DUMP TRUCKS LEAD ADVANCES -- Mekhanizatsiya Trudoyemkikh i Tyazhelykh Rabot, No 5, May 50

The current output of excavators is ten times greater than 1940, bulldozers 22 times, dump trucks 26 times, and dump cars five times.

TEST NEW CEMENT BREAKER -- Mekhanizatsiya Stroitel'stva, No 6, Jun 50

Tests have recently been performed on a new experimental cement breaker designed by Engineer Morozov of the Ministry of Construction- and Road-Machine Building. The unit consists of a compressor mounted on the platform of a YaAZ-200 truck, and a striking mechanism secured to a platform which projects from the rear of the truck body. A screen of hanging chains below this platform protects workers from fragments of flying concrete.

The striker delivers 25 blows per minute at a force of 800 kilogram-meters. Operating pressure in the pneumatic system is 6.5 atmospheres. Tests showed that three or four blows in one spot were sufficient to pierce a layer of concrete 300-350 millimeters thick. In one working day, the machine broke up 150 square meters of cement paving 30 centimeters thick.

HEAVY MACHINE TO SPEED SUBWAY CONSTRUCTION -- Moskovskiy Bol'shevik, 10 Feb 50

The Moscow Mashinostroitel' Plant expects to complete the new heavy-duty 105 machine by 12 March. This machine should perform subway-cutting operations four times as fast as existing machinery.

BUILDS TOWER CRANES -- Komsomol'skaya Pravda, 2 Jun 50

The Yasinovataya Machine-Building Plant produces the SKB-1 jib tower crane which is used in the construction of high buildings.

CLASSIFICATION SECRET SECRET

STATE	X	NAVY	X	NSRB	DISTRIBUTION							
ARMY	X	AIR	X	FBI								

Sanitized Copy Approved for Release 2011/09/14 : CIA-RDP80-00809A000600350110-0

Sanitized Copy Approved for Release 2011/09/14 : CIA-RDP80-00809A000600350110-0

GIVE SPECIFICATIONS OF DITCH-DIGGING MACHINE; NEW MODELS EXPECTED -- Mekhanizatsiya Trudoyemkikh i Tyazhelykh Rabot, No 5, May 50

The ET-251 ditch-digging machine was first built by the Dmitrov Excavator Plant in 1948. Specifications are as follows:

Dimensions (mm)	
Length, bucket in raised position	8,500
Height, working position	3,100
Height, traveling position	3,450
Width, working position	3,700
Width, traveling position	3,000
Weight (kg)	11,600
Length of bucket boom (mm)	6,120
Bucket spacing (mm)	190
Number of buckets	11
Bucket volume (liters)	45
Width of bucket chain (mm)	650
Bucket speed (m/sec)	4.1
Speed forward, working (m/hr)	22-185
Speed backward	22.5-166
Productivity (cu m/hr)	135
Dimensions of ditch (mm):	
Maximum depth	2,500
Width	800-1,100

The ET-251 is powered by a 1-MA 4-cycle internal-combustion engine developing 52 horsepower at 1,250 RPM.

During 1950, the Dmitrov Plant must get into series production two new types of multibucket ditch-digging machines. The new models will be designated the ET-21, and the KG-65.

NEW MACHINE FOR MOSCOW RECONSTRUCTION -- Mekhanizatsiya Stroitel'stva, No 1, Jan 50

The D-150A asphalt spreader was designed by a group of engineers of the Leningrad Affiliate of the All-Union Scientific Research Institute of Construction and Road-Machine Building, and built by the Experimental Plant of the Ministry of Construction and Road-Machine Building in 1949.

The machine lays asphalt in the construction and repair of both streets and highways. One of these machines is working on reconstruction in Moscow. The machine is self-propelled, moving on a caterpillar tread.

Specifications are as follows:

Over-all dimensions (mm)	5,150 x 2,650 x 3,200
Weight, empty (kg)	11,380
Motive power	U5 gasoline motor, 40 hp
Working width (mm)	3,030-3,060
Thickness of layer (mm)	15-150
Productivity (t/hr)	100
Rate of travel (m/min)	1.47-7.0 (six speeds)

Sanitized Copy Approved for Release 2011/09/14 : CIA-RDP80-00809A000600350110-0

Sanitized Copy Approved for Release 2011/09/14 : CIA-RDP80-00809A000600350110-0

BUILD EXPERIMENTAL MACHINES -- Mekhanizatsiya Stroitel'stva, No 1, Jan 50

Experimental models of the D-181 cement spreader, and the D-182 finisher were put out in 1949 by the Dormashina Plant of the Ministry of Construction- and Road-Machine Building, according to plans of the Leningrad Affiliate of the All-Union Scientific Research Institute for Construction and Road Machine Building.

The machines move along rails, which also act as retaining walls for the cement. The D-181 lays and spreads the cement, which it carries in a hopper. The D-182 follows 10 meters behind, compresses and smoothes the cement.

Specifications are as follows:

	D-181	D-182
Over-all dimensions (mm)	12,070 x 3,810 x 5,900	3,900 x 7,500 x 8,090
Width of working area (m)	7.0	7.0
Maximum thickness of layer (cm)	up to 30	up to 20
Weight of machine (kg)	11,023	9,360
Rate of travel (m/min)	35-85 (3 speeds)	1.86-10.75 (6 speeds)
Fuel consumption (gr/hp-hr)	385	385

LIGHT COMPRESSOR SERVES SPRAYERS, POWER TOOLS -- Mekhanizatsiya Stroitel'stva, No 7, Jul 50

The Moscow Pnevmoinstrument Plant imeni Kalinin, of the Ministry of Construction- and Road-Machine Building, is producing a light, portable air compressor, to be used with paint sprayers and power tools. It was designed in the Power Laboratory of the All-Union Scientific Research Institute for Construction and Road Machine Building.

Specifications are as follows:

Weight, empty (kg)	110
Length (from handle) (mm)	1,150
Width (mm)	495
Height (mm)	810
Capacity of electric motor (kw)	1.7
Cylinder bore (mm)	67.5
Stroke (mm)	75
Working pressure (atm)	4
Productivity (cu m/hr)	15

LOADER GOES INTO SERIES PRODUCTION -- Sovetskaya Latviya, 12 Apr 50

The Bryansk Road Machinery Plant has begun series production of the T-61 self-propelled inclined elevating conveyer. The new unit, which has a loading capacity of over 100 cubic meters per hour, is suitable for handling sand, gravel, coal, peat, and other loose materials.

- E N D -

Sanitized Copy Approved for Release 2011/09/14 : CIA-RDP80-00809A000600350110-0